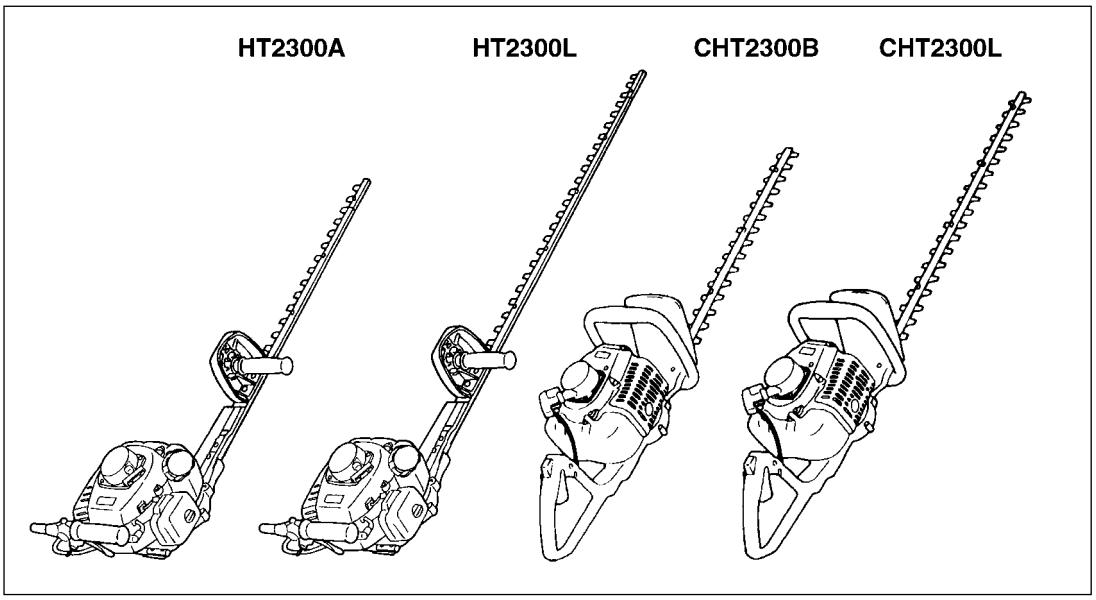
6833-93112(103)

RedMax®

OWNER/OPERATOR MANUAL

HEDGE-TRIMMERS

HT2300A
HT2300L
CHT2300B
CHT2300L



⚠ WARNING ⚠

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Thank you for purchasing a RedMax product.
Before using our hedge-trimmers, please read this manual carefully to understand the proper use of your unit.

APPLICABLE SERIAL NUMBERS :

HT2300A	CUTTING UNIT 900532 and up	ENGINE UNIT 968060 and up
HT2300L	CUTTING UNIT 900101 and up	ENGINE UNIT 968060 and up
CHT2300B	CUTTING UNIT 901223 and up	ENGINE UNIT 972833 and up
CHT2300L	CUTTING UNIT 900504 and up	ENGINE UNIT 972833 and up

Read this manual carefully to understand all safety precautions, controls, proper operation and maintenance of your RedMax hedge-trimmers. Failure to do so could result in serious injury.

SAFETY FIRST

Instructions contained in warnings within this manual marked with a ⚠ symbol concern critical points which must be taken into consideration to prevent possible serious bodily injury, and for this reason you are requested to read all such instructions carefully and follow them without fail.

Note that there may be times when warning seals peel off or become soiled and impossible to read. If this happens, you should contact the dealer from which you purchased the product to order new seals and affix the new seal(s) in the required location(s).

■ Notes on types of warnings

⚠WARNING Instructions labeled as shown at left, concern critical steps or procedures which must be followed in order to prevent accidents which could lead to serious bodily injury or death.This mark is used to indicate instructions which must be followed without exception.

IMPORTANT Instructions labeled as shown at left concern steps or procedures which, if not followed correctly, could lead to mechanical failure, breakdown, or damage.

NOTE Used to label supplementary instructions designed to provide hints or directions useful in the use of the product.

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Safety Precautions

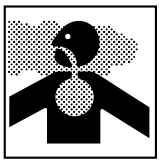
■ IN ORDER TO ENSURE PROPER AND SAFE OPERATION OF YOUR HEDGE-TRIMMER

- Read this Owner/Operator Manual carefully. Be sure you understand how to operate this unit properly before you use it. Failure to do so could result in serious injury.

- Be sure to keep this manual handy so that you may refer to it later whenever any questions arise. Also note that you are requested to contact the dealer from whom you purchased the product for assistance in the event that you have any questions which cannot be answered herein.
- Always be sure to include this manual when selling, lending, or otherwise transferring the ownership of this product.

- This product has been designed for use in trimming leaves and branches from trees and hedges, and it should never be used for any other purpose since doing so could result in unforeseen accidents and injuries occurring.
- This product is equipped with extremely sharp blades, and when used improperly these blades can be extremely dangerous. For this reason, you should never use this hedge-trimmer when under the influence of alcohol, when suffering from exhaustion or lack of sleep, when suffering from drowsiness as a result of having taken cold medicine, or at any other time when a possibility exists that your judgment might be impaired or that you might not be able to operate the hedge-trimmer properly and in a safe manner. Also be sure never to allow children or anyone unable to fully understand the directions given in this manual to use this hedge-trimmer.

- Avoid running the engine indoors. The exhaust gases contain harmful carbon monoxide.

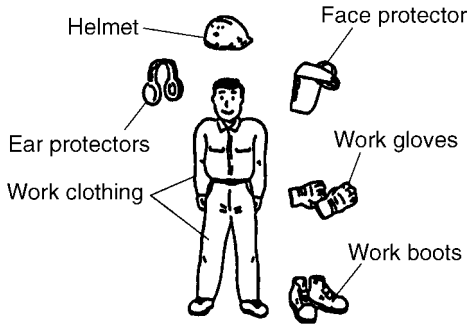


- Never use your hedge-trimmer under circumstances like those described below:
  1. When the ground is slippery or when other conditions exist which might make it not possible to maintain a steady posture while using the hedge-trimmer.
  2. At night, at times of heavy fog, or at any other times when your field of vision might be limited and it would be difficult to gain a clear view of the area where the hedge-trimmer is to be used to ensure safety.
  3. During rain storms, during lightning storms, at times of strong or gale-force winds, or at any other times when weather conditions might make it unsafe to use this product.
- When using this product for the first time, before beginning actual work, take the hedge-trimmer to a wide, clear, open space, turn on the power, and practice handling the hedge-trimmer until you are sure that you will be able to handle in it properly in actual operation.
- Lack of sleep, tiredness, or physical exhaustion results in lower attention spans, and this in turn leads to accidents and injury. When planning your work schedule, allow plenty of time to perform the work of trimming and allow plenty of time for rest. Limit the amount of time over which the hedge-trimmer is to be used continuously to somewhere around 30~40 minutes per session, and take 10~20 minutes of rest between work sessions. Also try to keep the total amount of work performed in a single day under 2 hours or less.

Safety Precautions

■ WORK GEAR AND CLOTHING

- When using your hedge-trimmer, always be sure to wear strong, durable, work clothing; shirts should be long-sleeved shirts and pants should be full-length pants reaching down to the ankles.
- Always be sure to wear and helmet and face protector when using your hedge-trimmer.
- When using your hedge-trimmer, always be sure to wear thick work gloves to protect your hands and non-slip-sole work boots to prevent you from slipping. Never use your hedge-trimmer when wearing pants with loose cuffs, when wearing sandals, or when barefoot.
- When using your hedge-trimmer for an extended period of time, you should wear ear protectors to protect yourself from loss of hearing from overexposure to high levels of sound.



■ WARNINGS CONSIDERING HANDLING OF FUEL

- The engine of the RedMax hedge-trimmer is designed to run on a mixed fuel which contains highly flammable gasoline. This fuel is highly flammable and you should never store cans of fuel or refill the tank of the hedge-trimmer in any place where there is a boiler, stove, wood fire, electrical sparks, welding sparks, or any other source of heat or fire which might ignite the fuel.

- Smoking while operating the hedge-trimmer or refilling its fuel tank is extremely dangerous. Always be sure to keep lit cigarettes away from the hedge-trimmer at all times.
- When refilling the tank always turn off the engine first and take a careful look around to make sure that there are no sparks or open flames anywhere nearby before refueling.
- If any fuel spillage occurs during refueling, always be sure to use a dry rag to wipe any fuel which has been spilled onto the hedge-trimmer before turning the engine back on again.
- After refueling, screw the fuel cap back tightly onto the fuel tank and then carry the hedge-trimmer to a spot 10 feet or more away from where it was refueled before turning on the engine.

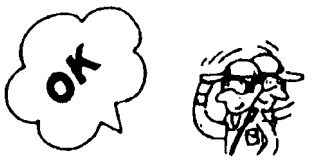
⚠ Safety Precautions

■ THINGS TO CHECK BEFORE USING YOUR HEDGE-TRIMMER

- Before beginning work, look around carefully to get a feel for the shape of the land, the trees, or hedges to be trimmed, and whether or not there are any obstacles which might get in the way while working, and remove any obstacles which can be cleared away before beginning work.
- The area within a perimeter of 50 feet (15m) of the person using the hedge-trimmer should be considered a hazardous area into which no one should enter while the hedge-trimmer is in use, and when necessary yellow warning rope, warning signs, or some other form of warnings should be placed around the perimeter of the area. When work is to be performed simultaneously by two or more persons, care should also be taken to constantly look around or otherwise check for the presence and locations of other people using hedge-trimmers within the work area so as to maintain a distance between each person sufficient to ensure safety.
- Before beginning work, each component of the hedge-trimmer should be checked to make sure that it is in proper working order and to make sure that there are no loose screws or bolts, fuel leaks, ruptures, dents, or any other problems which might interfere with safe operation. Be especially careful at this time to check that there is nothing wrong with the blades or with the joints by which the blades are attached to the hedge-trimmer.
- Never use the hedge-trimmer when the blades have been worn down severely or when there is any sort of damage which has occurred to the blade mechanism.
- Check to make sure that the handle grip and the protective cover have not come loose before using the hedge-trimmer.

■ THINGS TO CHECK BEFORE STARTING UP THE ENGINE

- Take a careful look around to make sure that no obstacles exist within a perimeter of 15 feet (5m) or less around the hedge-trimmer before starting the engine.



- The RedMax hedge-trimmer is equipped with a centrifugal clutch mechanism which causes the cutting blades to begin to rotate as soon as the engine is started by putting the throttle into the start position. When starting the engine, place the body of the hedge-trimmer onto the ground in a flat clear area and hold it firmly in place so as to ensure that neither the blades nor the throttle come into contact with any obstacles when the engine starts up.
- Never place the throttle into the high speed position when starting the engine.
- After starting up the engine, check to make sure that the blades stop rotating when the throttle is moved fully back to its original position. If the blades continue to rotate even after the throttle has been moved fully back, turn off the engine and take the unit to your authorized RedMax servicing dealer for repair.

■ AVOID NOISE PROBLEM

NOTE

Check and follow the local regulations as to sound level and hours of operations for hedge-trimmer.

- In general, operate hedge-trimmers between 8a.m.and 5p.m.on week days and 9a.m.to 5p.m.weekends. Avoid using hedge-trimmer late at night and/or early in the morning.

Safety Precautions

■ THINGS TO BE CAREFUL ABOUT WHEN USING YOUR HEDGE-TRIMMER

- When using your hedge-trimmer, grip the handles of the hedge-trimmer firmly with both hands, place your feet slightly apart (slightly further apart than the width of your shoulders) so that your weight is distributed evenly across both legs, and always be sure to maintain a steady, even posture while working.
- Maintain the speed of the engine at the level required to perform trimming work, and never raise the speed of the engine above the level necessary.
- Always be sure never to allow other persons to come within the work area while trimming.
- Be especially careful not to slip if it is raining or if rain has just stopped, as the ground is likely to be slippery at such times.
- If a branch or other object gets caught in the blades during operation, always be sure to turn off the engine before removing the object.
- Guard against hazardous situations at all times. Warn adults to keep pets and children away from the area. Establish a safe method for gaining your attention during operation. Be careful if you are approached.
- To protect yourself against injury from falling branches, always be sure to wear the required safety equipment, and be careful when working to watch to see in which direction branches are moving and falling so as to avoid being hit by falling branches.
- If someone calls out or otherwise interrupts you while working, always be sure to turn off the engine before turning around.
- Keep operation area clear of all persons, particularly small children and pets. Injury may result from flying debris.
- Never touch the spark plug or plug cord while the engine is in operation. Doing so may result in being subjected to an electrical shock.

- Never touch the muffler, spark plug, or other metallic parts of the engine while the engine is in operation or immediately after shutting down the engine. These metallic parts reach high temperatures during operation and doing so could result in serious burns.

- When you finish trimming in one location and wish to continue work in another spot, turn off the engine, place the protective cover over the blades, and turn the hedge-trimmer so that the blades face away from your body before carrying it to the new location.
- Never transport the hedge-trimmer over rough roads over long distances without first removing all fuel from the fuel tank, as doing so might cause fuel to leak from the tank as a result of shocks absorbed during transport.

⚠ Safety Precautions

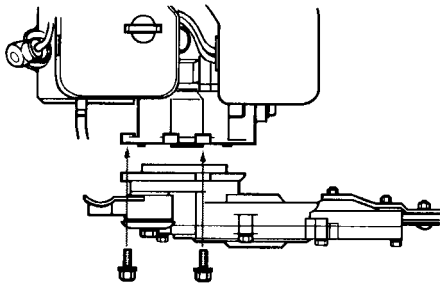
■ NOTES ON CARE AND MAINTENANCE OF YOUR HEDGE-TRIMMER

- In order to maintain your hedge-trimmer in proper working order, perform the maintenance and checking operations described in this manual at regular intervals. In the event that any parts must be replaced or any maintenance or repair work not described in this manual must be performed, please contact a representative from the store nearest RedMax authorized servicing dealer for assistance.
- Under no circumstances should you ever take apart the hedge-trimmer or alter it in any way. Doing so might result in the hedge-trimmer becoming damaged during operation or the hedge-trimmer becoming unable to operate properly.
- Always be sure to turn off the engine before performing any maintenance or checking procedures.
- When sharpening, removing, or reattaching the blades, be sure to wear thick, sturdy gloves and use only proper tools and equipment to prevent injury.
- When replacing blades or any other parts or when replacing the oil or any lubricants, always be sure to use only RedMax products or products which have been certified by RedMax for use with the RedMax hedge-trimmer.
- Do not use any accessory or attachment other than those bearing the RedMax mark and recommended for the unit.

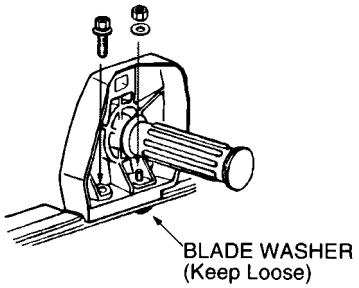
Set up

■ **HT2300A/HT2300L**

1. Join the engine unit to the clutch housing of the cutter unit, with the fuel tank on the blade side.
2. Align the mounting holes and tighten the engine securely with the 3 screws.



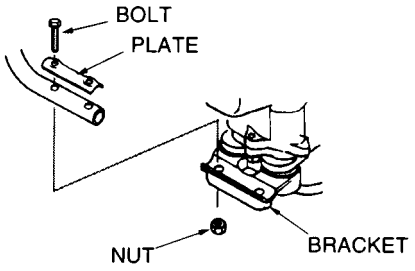
3. Remove the right handle mounting screw, nut, and washer casually attached on the blade beam.
4. Set the right handle on the beam making the grip come to the opposite side of the cutting teeth, and attach with the hardware removed before. When fastening the nut, hold the screw to keep the blade washer loose.



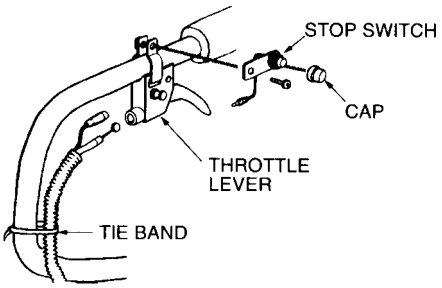
NOTE

- To assure designed cutting performance, always keep a half spare turn for the blade screws. It will cause blade seizure and premature wear of the clutch system if they are too tight. Too loose screws will make the gap between the blades large, and result in poor cutting performance.

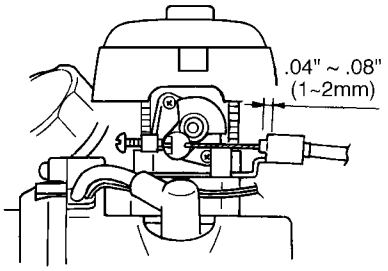
5. Install the left handle to the bracket attached to the clutch housing. Use the hardware as shown below.



6. Attach the throttle lever and the engine stop switch to the left handle, and connect the throttle cable and the switch wire. Put the rubber cap onto the switch button. Hold the wires at the lower part of the handle using the tie band.



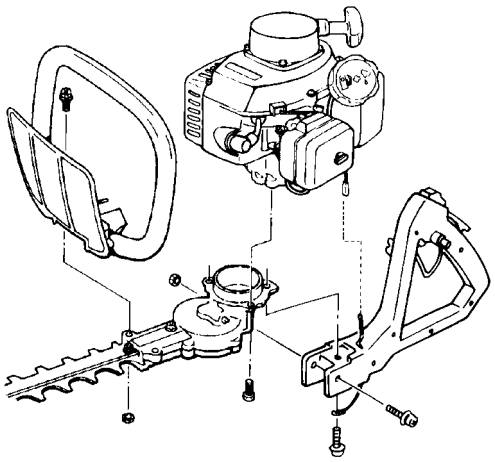
7. Check the cable play and, if necessary, adjust between .04" and .08" (1~2mm) by bending throttle wire receiver of the bracket with a nipper.



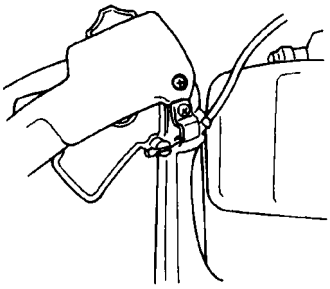
Set up

■ **CHT2300B/CHT2300L**

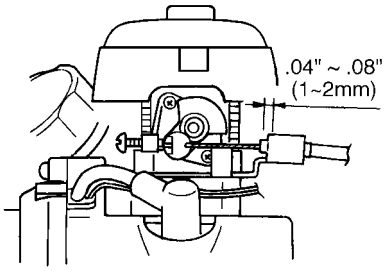
1. Attach the engine to the clutch housing of the cutter unit. Casually fix the front 2 points with the screws(.55" long)(15mm long).
2. After connecting the ground wire, install the rear handle to the clutch housing with the screw(2" long)(50mm long) and the nut.
3. Put the screw(1.6" long)(40mm long) through the ground wire terminal and the rear handle, and in to the engine mounting base. Securely tighten all of the engine mounting screws.
4. Attach the front handle onto the gear housing and fasten with 2 screws(1.2" long)(30mm long) and nuts.



5. Connect the throttle cable with the lever on the rear handle, and secure the end with the hardware attached to the handle.



6. Check the cable play and, if necessary, adjust between .04" and .08" (1~2mm) by bending throttle wire receiver of the bracket with a nipper.



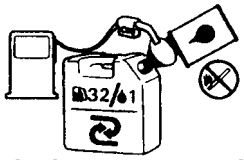
Fuel

⚠WARNING

- **Gasoline is very flammable. Avoid smoking or bringing any flame or sparks near fuel. Make sure to stop the engine and allow it cool before refueling the unit. Select outdoor bare ground for fueling and move at least 3m(10ft) away from the fueling stop before starting the engine.**

- The RedMax engines are lubricated by oil specially formulated for air-cooled 2-cycle gasoline engine use. If RedMax oil is not available. Use an anti-oxidant added quality oil expressly labeled for air-cooled 2-cycle engine use.

RECOMMENDED MIXING RATIO
GASOLINE 32:OIL 1



- **Exhaust emission are controlled by the fundamental engine parameters and components(eq., carburation, ignition timing and port timing) without addition of any major hardware or the introduction of an inert material during combustion.**

32:1 MIXING CHART

GASOLINE gal.	1	2	3	4	5
2-CYCLE OIL fl.oz	4	8	12	16	20

GASOLINE liter	1	2	3	4	5
2-CYCLE OIL ml	32	64	96	128	160

- These engines are certified to operate on unleaded gasoline.
- Make sure to use gasoline with a minimum octane number of 90 ROZ(USA/Canada : pump octane min.87)
- Unleaded gasoline is recommended to reduce the contamination of the air for the sake of your health and the environment.
- Poor quality gasolines or oils may damage sealing rings, fuel lines or fuel tank of the engine.

■ HOW TO MIX FUEL

1. Measure out the quantities of gasoline and oil to be mixed.
2. Put some of the gasoline into a clean, approved fuel container.
3. Pour in all of the oil and agitate well.
4. Pour in the rest of gasoline and agitate again for at least one minute.
5. Put a clear indication on the outside of the container to avoid mixing up with gasoline or other containers.
6. Indicate the contents on outside of container for easy identification.

■ FUELING THE UNIT

1. Untwist and remove the fuel cap. Rest the cap on a dustless place.
2. Put fuel into the fuel tank to 80% of the full capacity.
3. Fasten the fuel cap securely and wipe up any fuel spillage around the unit.

⚠WARNING

1. **Select bare ground for fueling.**
2. **Move at least 10 feet (3 meters) away from the fueling point before starting the engine.**
3. **Stop the engine before refueling the unit.**

FOR YOUR ENGINE LIFE, AVOID;

1. FUEL WITH NO OIL(RAW GASOLINE) – It will cause severe damage to the internal engine parts very quickly.
2. GASOHOL – It can cause deterioration of rubber and/or plastic parts and disruption of engine lubrication.
3. OIL FOR 4-CYCLE ENGINE USE or WATER COOLED 2-CYCLE ENGINE USE – It can cause spark plug fouling, exhaust port blocking, or piston ring sticking.
4. **Mixed fuels which have been left unused for a period of one month or more** may clog the carburetor or result in the engine failing to operate properly.

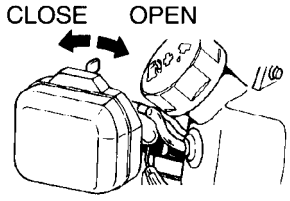
Operation

■ STARTING ENGINE

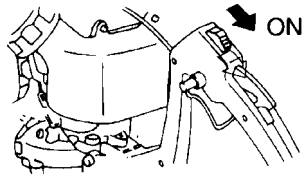
⚠WARNING

- **Keep the blades clear of the surrounding as they will start moving upon starting of the engine.**

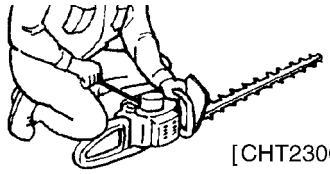
1. When first starting up after putting fuel into the machine, push the priming pump until fuel runs out in the clear tube. Then close the choke. Choking may not be necessary when re-starting right after stopping the engine.

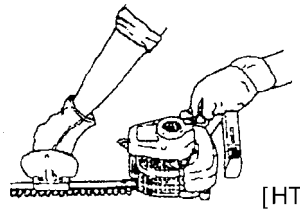


2. Pull the throttle lever and push the lock button to set the lever in the START position.
3. **[CHT2300B/CHT2300L only]**
   Slide the ignition switch to the engine side to set it in the ON position.



4. Rest the unit on a flat firm place. While holding the unit with your left hand on the starter housing, pull the starter knob quickly.


[CHT2300]


[HT2300]

NOTE

- Avoid pulling the rope to its end or returning it by releasing the knob. Such actions can cause starter failures.

5. When the engine has started, gradually open the choke.
6. Allow the engine to warm up for a half minute before starting operation.

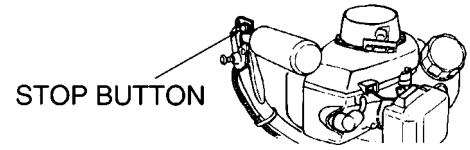
NOTE

- If the engine won't start after several attempts, open the choke and repeat pulling the rope or remove the spark plug and dry it.

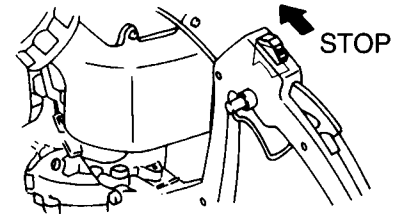
■ STOPPING ENGINE

1. Release the throttle lever and run the engine at idling speed for a half minute.
2. Stop the engine by the stop switch.

[HT2300A/HT2300L] Press on the stop button until the engine stops completely.



[CHT2300B/CHT2300L] Shift the ignition switch to the STOP position.

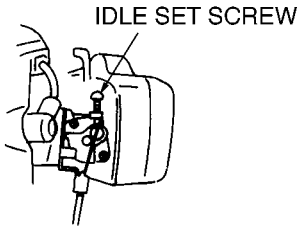


NOTE

- Except for an emergency, avoid stopping the engine while running it at high speed.

■ **ADJUSTING IDLING SPEED**

1. When the engine tends to stop frequently at idling mode, turn the idle set screw clock-wise.
2. When the cutting blades keep moving after releasing the throttle trigger, turn the idle set screw counter-clockwise.



NOTE

- Warm up the engine before adjusting the idling speed.

■ **HOW TO USE**

- **This machine is designed so as to cut twigs upto 8 mm(0.3 inches) thick. Cutting too thick twigs or metal wires can not only break the blade teeth but also give damage to the drive mechanism.**
- When trimming leaves and thin twigs, guide the blades as drawing a half circle on the surface, and you will get a better finish.
- Running the engine at high speed with the blades Jammed up can shorten the life of clutch parts. When the blades have been jammed by thick twigs, stop operation at once and draw your unit off the objects after stopping the engine. When clipping comparatively thick twigs, move your unit slowly back and forth like a saw, and they can be cut to fine finish.

NOTE

- When a new unit is first operated, in the first few minutes grease may come out of the gear case. But, since this is excess grease, there is no cause for alarm. For next use just wipe it off with the engine stopped.

⚠WARNING

- **Make sure that the engine has stopped and is cool before performing any service to the hedge-trimmer. Contact with moving cutting head or hot muffler may result in a personal injury.**

■ DAILY INSPECTION

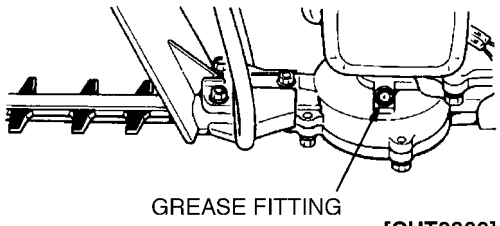
- Check all the fasteners for loose or missing ones.
- Brush off dirt on the blades and apply a light coating of oil.

NOTE

- The blades are loose-installed to the guide bar with several screws and nuts. Do not tighten up those screws, or the blades will be locked and result in clutch failures. Allow the screws a half spare turn, and secure there with the nut(See NOTE on page 8).

■ GEAR CASE

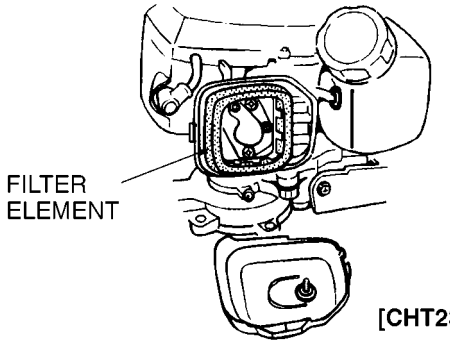
- At every 25 hours of use, supply grease to the gear case. Pump in grease via the grease fitting until it comes out of the root of blades.



[CHT2300]

■ AIR FILTER

- The air filter, if clogged, will reduce the engine performance. Monthly check and clean the filter element in warm, soapy water as required. Dry completely before installing. If the element is broken or shrunk, replace with a new one.



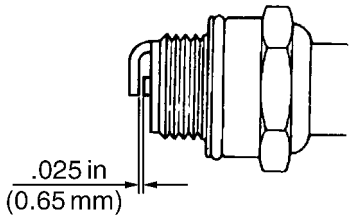
[CHT2300]

■ FUEL FILTER

- When the engine runs short of fuel supply, check the fuel cap and the fuel filter for blockage.

■ SPARK PLUG

- Starting failure and mis-firing are often caused by a fouled spark plug. Periodically clean the spark plug and check that the spark gap is in the correct range. For a replacement plug, use the correct type specified by RedMax(See SPECIFICATIONS on the page 15).



- **REPLACEMENT PLUG IS A CHAMPION RCJ6Y OR THE EQUIVALENT, SUCH AS BOSCH WR8E OR NGK BR6S.**

IMPORTANT

- Note that using any spark plugs other than those designated may result in the engine failing to operate properly or in the engine becoming overheated and damaged.
- To install the spark plug, first turn the plug until it is finger tight, then tighten it a quarter turn more with a socket wrench.

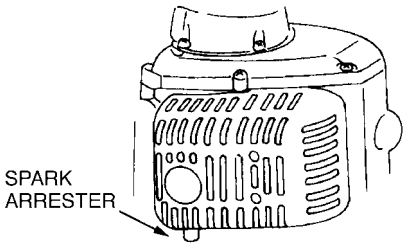
■ MUFFLER

⚠WARNING

- Inspect periodically, the muffler for loose fasteners, any damage or corrosion. If any sign of exhaust leakage is found, do not use the hedge-trimmer and have it repaired immediately.
- **Note that failing to do so may result in the engine catching on fire.**

■ SPARK ARRESTER

- The muffler is equipped with a spark arrester to prevent red hot carbon from flying out of the exhaust outlet. Periodically inspect and clean as necessary with a wire brush. In the State of California it is required by law (Section 4442 of the California Public Resources Code) to equip a spark arrester when a gas powered tool is used in any forest covered, brush covered, or grass covered unimproved land.



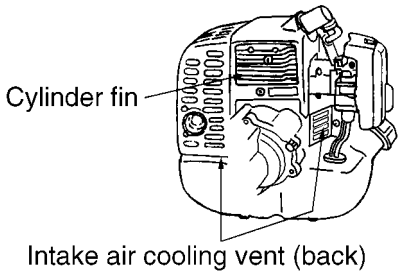
■ INTAKE AIR COOLING VENT

⚠WARNING

- **Never touch the cylinder, muffler, or spark plugs with your bare hands immediately after stopping the engine. The engine can become very hot when in operation, and doing so could result in severe burns.**
- **When checking the hedge-trimmer to make sure that it is okay before using it, check the area around the muffler and remove any wood chips or leaves which have attached themselves to the hedge-trimmer. Note that failing to do so could cause the muffler to become overheated, and that this in turn could cause the hedge-trimmer to catch on fire. Always make sure that the muffler is clean and free of wood chips, leaves, and other waste before use.**
- Check the intake air cooling vent and the area around the cylinder cooling fins after every 25 hours of use for blockage, and remove any waste which has attached itself to the hedge-trimmer. Note that it is necessary to remove the plug guard shown in Figure 20 in order to be able to view the upper part of the cylinder.

IMPORTANT

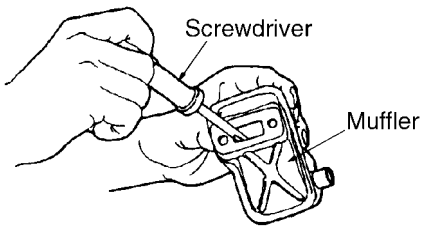
- If waste gets stuck and causes blockage around the intake air cooling vent or between the cylinder fins, it may cause the engine to overheat, and that in turn may cause mechanical failure on the part of the hedge-trimmer.



Maintenance

■ PROCEDURES TO BE PERFORMED AFTER EVERY 100 HOURS OF USE

1. Remove the muffler, insert a screwdriver into the vent, and wipe away any carbon buildup. Wipe away any carbon buildup on the muffler exhaust vent at the same time.



2. Tighten all screws, bolts, and fittings.
3. Check to see if any oil or grease has worked its way in between the clutch lining and drum, and if it has wipe it away using oil-free, lead-free gasoline.

Storage

- Old fuel left in the carburetor can cause starting failure. Before storing the unit, empty the fuel tank and drain the carburetor with the priming pump equipped on it.

Specifications

■ **HT2300A** [**HT2300L**]

Type ····· Reciprocating single-sided dual blades
Blade size ····· (29.5 [40] in)(750 [1000] mm
Dry weight ····· (12 [13] lbs)(6 [6.5] k
Engine Type ····· Air-cooled 2-stroke gasoline
Model ····· Zenoah G23L
Displacement ····· 22.5(c
Fuel ····· Mixture(Gasoline 32:Oil 1)
Carburetor ····· Walbro Diaphragm type
Spark plug ····· Champion RCJ6Y
Fuel tank capacity ····· (20 fl.oz)(0.6
Transmission ····· Centrifugal clutch, Cam-crank
Reduction ratio ····· 4.14 ·····

■ **CHT2300B [CHT2300L]**

Type ····· Reciprocating duble-sided dual blades
Blade size ····· (23.6 [30] in)(600 [760] mm
Dry weig ····· (10.8 [11.3] lbs)(5.4 [5.6] kg
Engine Type ····· Air-cooled 2-stroke gasoline
Model ····· Zenoah G23L
Displacement ····· 22.5(c
Fuel ····· Mixture(Gasoline 32:Oil 1)
Carburetor ····· Walbro Diaphragm type
Spark plug ····· Champion RCJ6Y
Fuel tank capacity ····· (20 fl.oz)(0.6
Transmission ····· Centrifugal clutch, Cam-crank
Reduction ratio ····· 4.14 ·····

Specifications are subject to change without notice.

HEDGE-TRIMMERS

HT2300A
HT2300L
CHT2300B
CHT2300L

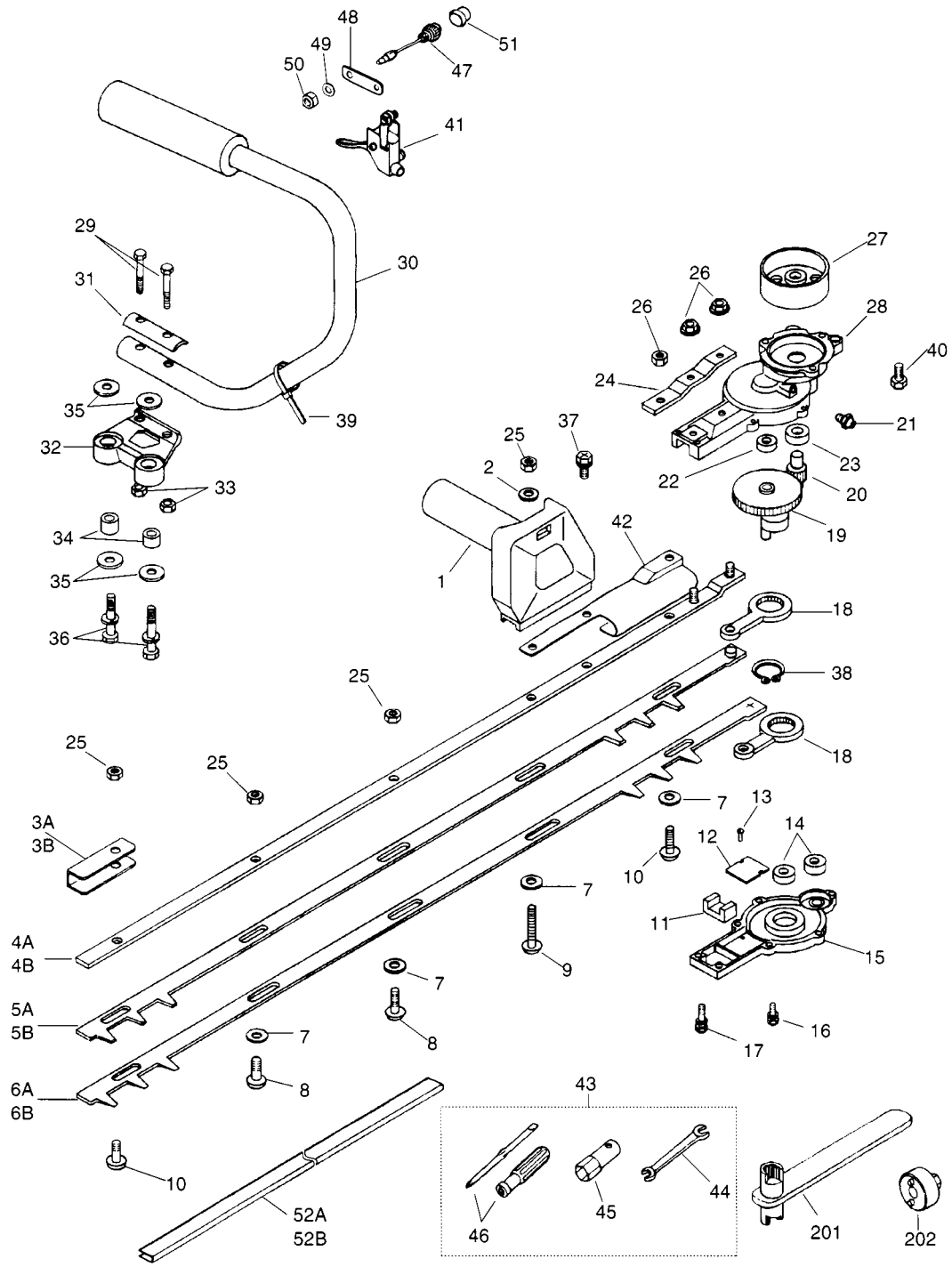
NOTE :

1. Use KOMATSU ZENOAH genuine parts as specified in the parts list for repair and/or replacement.
2. KOMATSU ZENOAH does not warrant the machines, which have been damaged by the use of any parts other than those specified by the company.
3. When placing parts orders for repair and/or replacement, check if the model name and the serial number are applicable to those specified in the parts list, then use parts number described in the parts list.
4. The contents described in the parts list may change due to improvement.
5. The parts for the machine shall be supplied seven (7) years after the machine is discontinued. [It is possible that some specific parts may be subject to change of their delivery term and list price within the limit of ten (7) years after the machine is discontinued. It is also possible that some parts may be available even after the limit of seven (7) years.]

APPLICABLE SERIAL NUMBERS : Mar. 2001

HT2300A	CUTTING UNIT 900532 and up	ENGINE UNIT 968060 and up
HT2300L	CUTTING UNIT 900101 and up	ENGINE UNIT 968060 and up
CHT2300B	CUTTING UNIT 901223 and up	ENGINE UNIT 972833 and up
CHT2300L	CUTTING UNIT 900504 and up	ENGINE UNIT 972833 and up

Fig.1 CUTTER GROUP — HT2300A & HT2300L



Parts List

Fig.1 CUTTER GROUP — HT2300A & HT2300L

Key#	Description	Part Number	Q'ty		Note
			2300A	2300L	
1	Right handle comp.	3883-12101	1	1	
2	Washer	3883-12130	1	1	
3A	Reinforce	3880-11750	1	-	
3B	Reinforce	3885-11750	-	1	
4A	Guide plate	3883-11612	1	-	
4B	Guide plate	3927-11612	-	1	
5A	Upper blade	3880-11720	1	-	
5B	Upper blade	3927-11720	-	1	
6A	Lower blade	3880-11730	1	-	
6B	Lower blade	3927-11730	-	1	
7	Washer	3880-11780	4	6	
8	Screw, 19mm long	3884-11750	2	4	
9	Screw, 29mm long	6095-11810	1	1	
10	Screw, 22mm long	3884-11660	2	2	
11	Felt	3873-11320	1	1	
12	Plate	3880-11340	1	1	
13	Screw	0260-00305	2	2	
14	Bearing	06001-00608	2	2	
15	Lower case	3873-11210	1	1	
16	Bolt	0225-10516	5	5	
17	Bolt	0225-10520	2	2	
18	Rod	3873-11500	2	2	
19	Gear comp.	6830-11400	1	1	
20	Pinion	3884-11420	1	1	
21	Fitting	3199-13350	1	1	
22	Bearing	06001-00608	1	1	
23	Bearing	06004-06001	1	1	
24	Plate	3876-11670	1	1	
25	Nut	3880-11790	5	7	
26	Nut	3880-11140	2	2	
27	Clutch drum	3884-11410	1	1	
28	Upper case	3887-11111	1	1	
29	Bolt	0212-50530	2	2	
30	Left handle comp.	6830-13100	1	1	
31	Plate	6095-13310	1	1	
32	Bracket	6095-13320	1	1	
33	Nut	3876-14470	2	2	
34	Collar	6095-13330	2	2	
35	Washer	6095-13360	4	4	
36	Bolt	0225-10625	2	2	
37	Bolt	3883-12140	1	1	
38	Snap ring	04064-02512	1	1	
39	Band	3880-13350	1	1	
40	Bolt	0225-10614	3	3	
41	Lever ass'y	3881-13210	1	1	
42	Protector	3887-91170	1	1	
43	Tool set	1111-91003	1	1	
44	• Spanner	3540-91120	1	1	
45	• Socket	1110-91320	1	1	
46	• Screwdriver	1030-91340	1	1	
47	Switch	1059-72210	1	1	
48	Plate	1120-72110	1	1	
49	Washer	1520-72220	1	1	
50	Nut	1520-72230	1	1	
51	Cap	3422-72250	1	1	
52A	Cover, blade	3880-91140	1	-	
52B	Cover, blade	3927-91140	-	1	
201	Wrench	3880-95020	(1)	(1)	Optional part
202	Wrench	3880-95010	(1)	(1)	Optional part

Fig.2 ENGINE GROUP — HT2300A & HT2300L

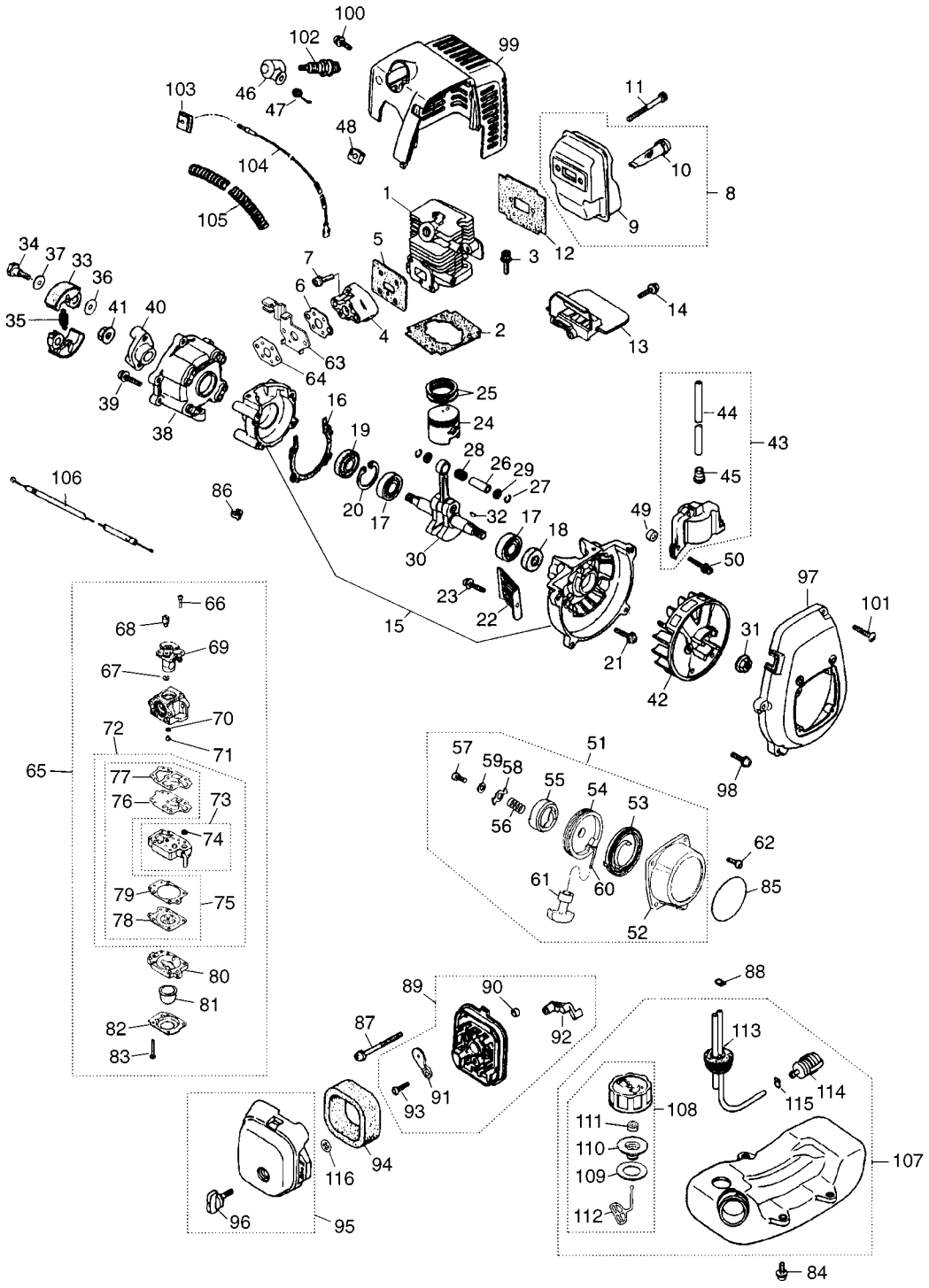


Fig.2 ENGINE GROUP — HT2300A & HT2300L

Key#	Description	Part Number	Q'ty	Note
1	Cylinder	5602-12110	1	
2	Gasket, base	5500-12213	1	
3	Bolt, M5x22	1850-12130	2	
4	Insulator	5500-13163	1	
5	Gasket, insulator	5500-13121	1	
6	Gasket, carb	5500-13131	1	
7	Screw, M5x20	0263-90520	2	
8	Muffler ass'y	5603-15100	1	
9	• Muffler	5603-15110	1	
10	• Spark arrester	1601-15120	1	
11	Bolt, M5x50	01252-30550	2	
12	Gasket, muffler	5600-15210	1	
13	Plate, muffler	5600-15220	1	
14	Screw, M4x16	0263-90416	1	
15	Crancase comp.	5600-21100	1	
16	Gasket, case	5500-21141	1	
17	Bearing	06030-06001	2	
18	Oil seal	2169-21210	1	
19	Oil seal	1850-21220	1	
20	Snap ring	04065-02812	1	
21	Bolt, M5x30	01252-30530	4	
22	Guard	5500-22110	1	
23	Screw, M5x14	0263-90514	1	
24	Piston	5600-41111	1	
25	Ring, piston	1100-41210	2	
26	Pin, piston	1101-41310	1	
27	Snap ring	1260-41320	2	
28	Bearing	5500-41410	1	
29	Washer	1101-41340	2	
30	Crankshaft comp.	5600-42001	1	
31	Nut	1650-43230	1	
32	Key	1000-43240	1	
33	Shoe	1140-51111	2	
34	Screw	1140-51250	2	
35	Spring	1600-51223	1	
36	Washer	1140-51230	2	
37	Washer	1970-51241	2	
38	Case, clutch	5600-52110	1	
39	Screw, M5x16	0263-90516	4	
40	Plate, clutch	5600-52150	1	
41	Nut	1650-43230	1	
42	Rotor	5601-71110	1	
43	Coil ass'y	5600-71200	1	
44	• Cord	5600-71220	1	
45	• Cap	2616-71320	1	
46	Cap, spark plug	5500-72110	1	
47	Spring	1900-72120	1	
48	Grommet	5500-72130	1	
49	Spacer	1260-71261	2	
50	Bolt, M4x25	3310-72150	2	
51	Recoil ass'y	5990-75101	1	
52	• Case, recoil	5990-75110	1	
53	• Spring, Spiral	5990-75120	1	
54	• Reel	5990-75130	1	
55	• Ratchet	5990-75140	1	
56	• Spring	5990-75151	1	
57	• Screw	5990-75270	1	
58	• Retainer	5990-75160	1	
59	• Washer	5990-75170	1	
60	• Rope	1861-75180	1	
61	• Knob	1490-75181	1	
62	Screw	0263-90412	4	
63	Bracket	5628-83221	1	
64	Gasket, carburetor	5500-13131	1	
65	Carburetor ass'y	5602-81001	1	WYL-55
66	• Screw	5850-81110	2	
67	• Ring	1751-81130	1	
68	• Swivel	1881-81140	1	
69	• Valve ass'y	————	1	
70	• O-ring	1751-81240	1	
71	• Jet #37	5628-81250	1	
72	• Rebuilt Kit	5602-06030	1	
73	• • Body ass'y	1850-81450	1	
74	• • • Screen	————	–	
75	• • Gasket Kit	5602-06020	1	
76	• • • Diaphragm, pump	————	–	
77	• • • Gasket, pump	————	–	
78	• • • Diaphragm	————	–	
79	• • • Gasket, diaphragm	————	–	
80	• Body, purge	1850-81490	1	
81	• Pump, priming	1751-81510	1	
82	• Cover, pump	1850-81520	1	
83	• Screw	1850-81530	4	
84	Screw	5500-85510	3	
85	Label, recoil	5602-91120	1	
86	Cap	1601-81810	1	
87	Screw, M5x60	0263-90560	2	
88	Clip	1950-86120	1	
89	Body ass'y	5500-82102	1	
90	• Sleeve	1970-82190	2	
91	• Plate, choke	5500-82131	1	
92	• Lever, choke	5500-82140	1	
93	• Screw	2630-33610	1	
94	Element	5500-82171	1	
95	Cover ass'y	5600-82203	1	
96	• Knob	5500-82221	1	
97	Cover, fan	5600-31110	1	
98	Screw, M5x20	0263-90520	4	
99	Cover, engine	5600-32101	1	
100	Screw, M5x12	1850-32160	1	
101	Screw	1900-31410	1	
102	Spark plug	5602-73110	1	RCJ6Y
103	Grommet	1852-72121	1	
104	Cord comp.	5602-73200	1	
105	Tube	5602-73310	1	
106	Cable comp.	1751-82101	1	
107	Tank ass'y	5607-85001	1	
108	• Cap ass'y	5607-85201	1	
109	• • Packing	5500-85220	1	
110	• • Holder	5601-85300	1	
111	• • Filter	5601-85260	1	
112	• • Stopper	4820-85260	1	
113	• Pipe comp.	5500-85300	1	
114	• Filter ass'y	5500-85400	1	
115	• Clip	1260-85460	1	
116	Clip	1950-86120	1	

Fig.3 CUTTER GROUP — CHT2300B & CHT2300L

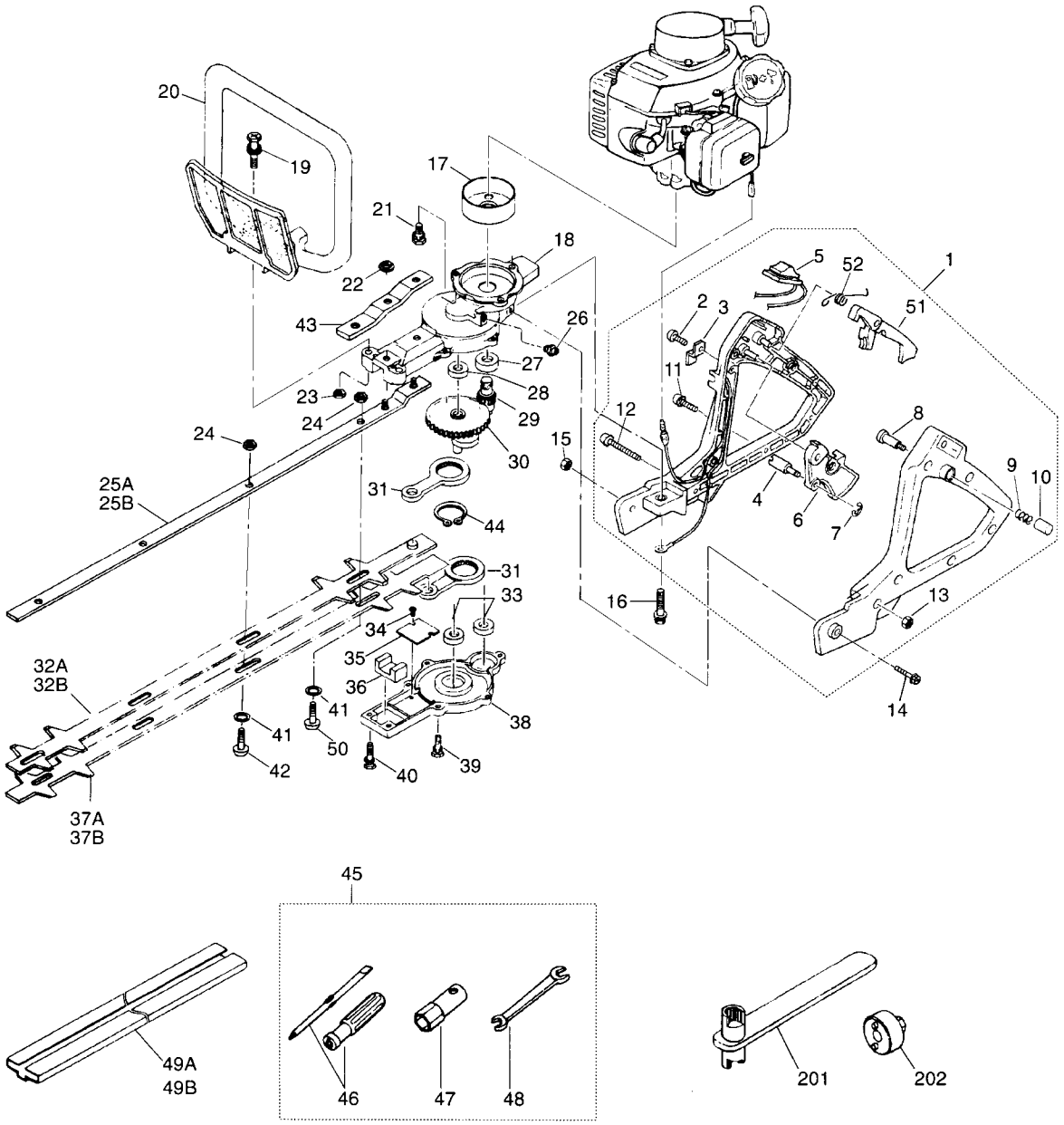


Fig.3 CUTTER GROUP — CHT2300B & CHT2300L

Key#	Description	Part Number	Q'ty		Note
			2300B	2300L	
1	Rear handle ass'y	6845-13100	1	1	
2	• Screw, M4x10	3873-13180	1	1	
3	• Plate	3873-13170	1	1	
4	• Cable end	3873-13210	1	1	
5	• Switch ass'y	6845-13130	1	1	
6	• Throttle lever	3873-13221	1	1	
7	• Snap ring	3873-13230	1	1	
8	• Pin	3873-13140	1	1	
9	• Spring	3873-13150	1	1	
10	• Cap	3873-13160	1	1	
11	• Screw, M4x16	3873-13240	5	5	
12	• Screw, M4x30	3873-13250	1	1	
13	• Nut, M6	0280-10403	6	6	
14	Bolt, M6x50	0225-50650	1	1	
15	Nut, M6	0280-10605	1	1	
16	Bolt, M6x40	0225-50640	1	1	
17	Clutch drum	3884-11410	1	1	
18	Middle case	3873-11111	1	1	
19	Bolt, M6x35	0225-30635	2	2	
20	Front handle	3873-12102	1	1	
21	Bolt, M6x14	0225-10614	2	2	
22	Nut, M5	3880-11140	2	2	
23	Nut, M6	0280-10605	2	2	
24	Nut, M6U	3880-11790	4	5	
25A	Guide plate	3873-11613	1	-	
25B	Guide plate	3929-11612	-	1	
26	Grease fitting	3199-13350	1	1	
27	Bearing, 6001 2RS	06004-06001	1	1	
28	Bearing, 608Z	06001-00608	1	1	
29	Pinion	3884-11420	1	1	
30	Gear comp.	6830-11400	1	1	
31	Rod ass'y	3873-11500	2	2	
32A	Upper blade	3879-11720	1	-	
32B	Upper blade	3929-11720	-	1	
33	Bearing, 608Z	06001-00608	2	2	
34	Screw, M3x5	0260-00305	2	2	
35	Plate	3880-11340	1	1	
36	Felt	3873-11320	1	1	
37A	Lower blade	3879-11730	1	-	
37B	Lower blade	3929-11730	-	1	
38	Lower case	3873-11210	1	1	
39	Bolt, M5x16	0225-10516	5	5	
40	Bolt, M5x20	0225-10520	2	2	
41	Washer	3873-11780	4	5	
42	Screw, M6x19	3884-11750	3	4	
43	Plate	3876-11670	1	1	
44	Snap ring	04064-02512	1	1	
45	Tool set	1111-91003	1	1	
46	• Screwdriver	1030-91340	1	1	
47	• Socket, Hex 3/4"	1110-91320	1	1	
48	• Spanner, 8x10	3540-91120	1	1	
49A	Cover, blade	6836-91140	1	-	
49B	Cover, blade	6839-91140	-	1	
50	Screw, M6x22	3884-11660	1	1	
51	• Stopper	6845-13310	1	1	
52	• Spring	6845-13320	1	1	
201	Wrench	3880-95020	(1)	(1)	Optional part
202	Wrench	3880-95010	(1)	(1)	Optional part

Fig.4 ENGINE GROUP — CHT2300B & CHT2300L

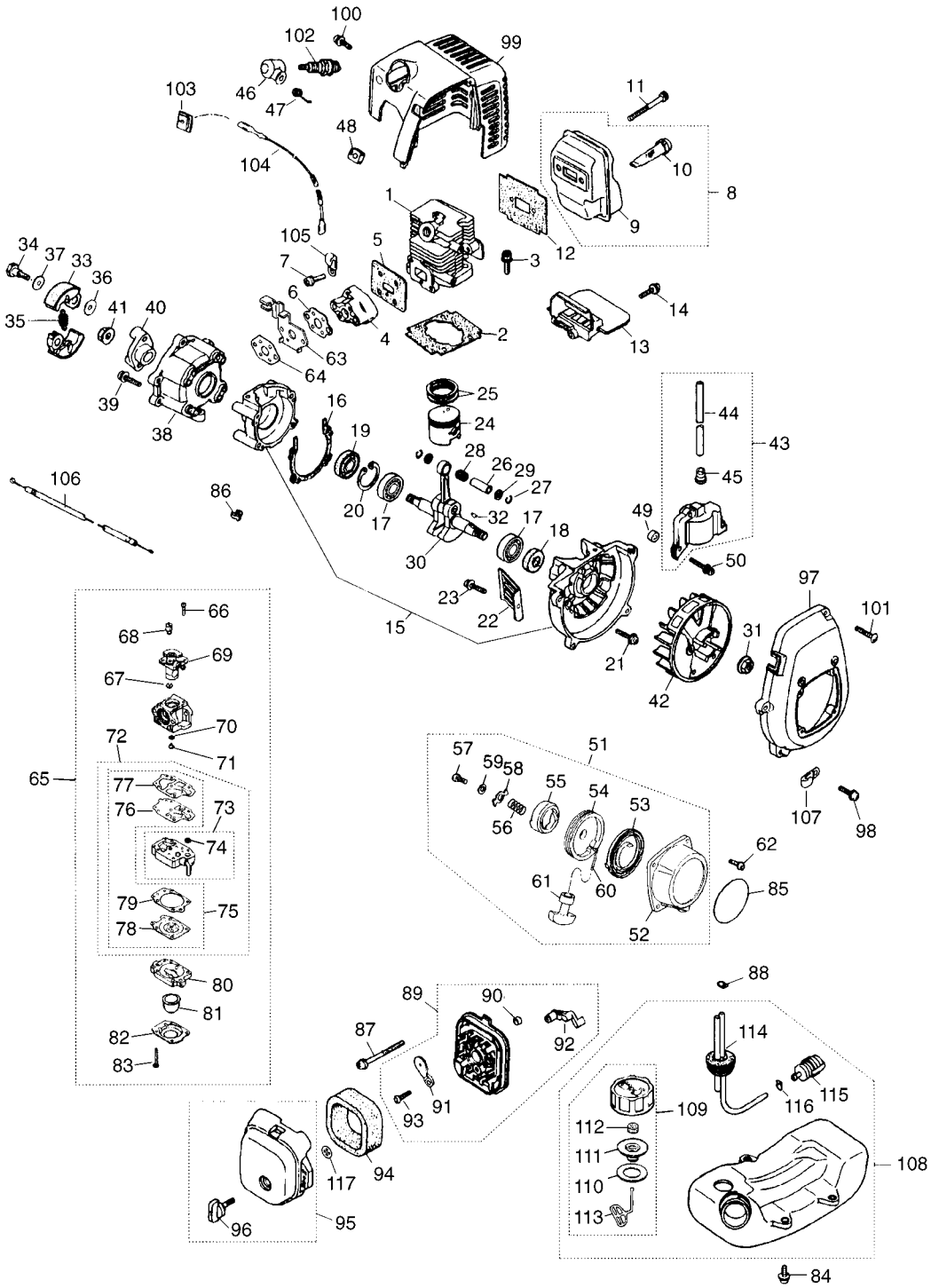


Fig.4 ENGINE GROUP — CHT2300B & CHT2300L

Key#	Description	Part Number	Q'ty	Note
1	Cylinder	5602-12110	1	
2	Gasket, base	5500-12213	1	
3	Bolt, M5x22	1850-12130	2	
4	Insulator	5500-13163	1	
5	Gasket, insulator	5500-13121	1	
6	Gasket, carb	5500-13131	1	
7	Screw, M5x20	0263-90520	2	
8	Muffler ass'y	5603-15100	1	
9	• Muffler	5603-15110	1	
10	• Spark arrester	1601-15120	1	
11	Bolt, M5x50	01252-30550	2	
12	Gasket, muffler	5600-15210	1	
13	Plate, muffler	5600-15220	1	
14	Screw, M4x16	0263-90416	1	
15	Crancase comp.	5600-21100	1	
16	Gasket, case	5500-21141	1	
17	Bearing	06030-06001	2	
18	Oil seal	2169-21210	1	
19	Oil seal	1850-21220	1	
20	Snap ring	04065-02812	1	
21	Bolt, M5x30	01252-30530	4	
22	Guard	5500-22110	1	
23	Screw, M5x14	0263-90514	1	
24	Piston	5600-41111	1	
25	Ring, piston	1100-41210	2	
26	Pin, piston	1101-41310	1	
27	Snap ring	1260-41320	2	
28	Bearing	5500-41410	1	
29	Washer	1101-41340	2	
30	Crankshaft comp.	5600-42001	1	
31	Nut	1650-43230	1	
32	Key	1000-43240	1	
33	Shoe	1140-51111	2	
34	Screw	1140-51250	2	
35	Spring	1600-51223	1	
36	Washer	1140-51230	2	
37	Washer	1970-51241	2	
38	Case, clutch	5600-52110	1	
39	Screw, M5x16	0263-90516	4	
40	Plate, clutch	5600-52150	1	
41	Nut	1650-43230	1	
42	Rotor	5601-71110	1	
43	Coil ass'y	5600-71200	1	
44	• Cord	5600-71220	1	
45	• Cap	2616-71320	1	
46	Cap, spark plug	5500-72110	1	
47	Spring	1900-72120	1	
48	Grommet	5500-72130	1	
49	Spacer	1260-71261	2	
50	Bolt, M4x25	3310-72150	2	
51	Recoil ass'y	5990-75101	1	
52	• Case, recoil	5990-75110	1	
53	• Spring, Spiral	5990-75120	1	
54	• Reel	5990-75130	1	
55	• Ratchet	5990-75140	1	
56	• Spring	5990-75151	1	
57	• Screw	5990-75270	1	
58	• Retainer	5990-75160	1	
59	• Washer	5990-75170	1	
60	• Rope	1861-75180	1	
61	• Knob	1490-75181	1	
62	Screw	0263-90412	4	
63	Bracket	5628-83221	1	
64	Gasket, carburetor	5500-13131	1	
65	Carburetor ass'y	5602-81001	1	WYL-55
66	• Screw	5850-81110	2	
67	• Ring	1751-81130	1	
68	• Swivel	1881-81140	1	
69	• Valve ass'y	————	1	
70	• O-ring	1751-81240	1	
71	• Jet #37	5628-81250	1	
72	• Rebuilt Kit	5602-06030	1	
73	• • Body ass'y	1850-81450	1	
74	• • • Screen	————	–	
75	• • Gasket Kit	5602-06020	1	
76	• • • Diaphragm, pump	————	–	
77	• • • Gasket, pump	————	–	
78	• • • Diaphragm	————	–	
79	• • • Gasket, diaphragm	————	–	
80	• Body, purge	1850-81490	1	
81	• Pump, priming	1751-81510	1	
82	• Cover, pump	1850-81520	1	
83	• Screw	1850-81530	4	
84	Screw	5500-85510	3	
85	Label, recoil	5603-91120	1	
86	Cap	1601-81810	1	
87	Screw, M5x60	0263-90560	2	
88	Clip	1950-86120	1	
89	Body ass'y	5500-82102	1	
90	• Sleeve	1970-82190	2	
91	• Plate,choke	5500-82131	1	
92	• Lever, choke	5500-82140	1	
93	• Screw	2630-33610	1	
94	Element	5500-82171	1	
95	Cover ass'y	5600-82203	1	
96	• Knob	5500-82221	1	
97	Cover, fan	5600-31110	1	
98	Screw, M5x20	0263-90520	4	
99	Cover, engine	5600-32101	1	
100	Screw, M5x12	1850-32160	1	
101	Screw	1900-31410	1	
102	Spark plug	5602-73110	1	RCJ6Y
103	Grommet	1852-72121	1	
104	Cord comp.	5601-73200	1	
105	Clamp	1140-72231	1	
106	Cable comp.	5601-83100	1	
107	Clamp	1140-72231	1	
108	Tank ass'y	5607-85001	1	
109	• Cap ass'y	5607-85201	1	
110	• • Packing	5500-85220	1	
111	• • Holder	5601-85300	1	
112	• • Filter	5601-85260	1	
113	• • Stopper	4820-85260	1	
114	• Pipe comp.	5500-85300	1	
115	• Filter ass'y	5500-85400	1	
116	• Clip	1260-85460	1	
117	Clip	1950-86120	1	

CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT
YOUR WARRANTY RIGHTS AND OBLIGATIONS

THE CALIFORNIA AIR RESOURCES BOARD AND KOMATSU ZENOAH Co. ARE PLEASED TO EXPLAIN THE **EMISSION CONTROL SYSTEM WARRANTY** ON YOUR **1995 AND LATER** LAWN AND GARDEN EQUIPMENT ENGINE. IN CALIFORNIA, NEW UTILITY AND LAWN AND GARDEN EQUIPMENT ENGINES MUST BE DESIGNED, BUILT AND EQUIPPED TO MEET THE STATE'S STRINGENT ANTI-SMOG STANDARDS.
KOMATSU ZENOAH Co, MUST WARRANT THE EMISSION CONTROL SYSTEM ON YOUR LAWN AND GARDEN EQUIPMENT ENGINE FOR THE PERIODS OF TIME LISTED BELOW PROVIDED THERE HAS BEEN NO ABUSE, NEGLECT OR IMPROPER MAINTENANCE OF YOUR LAWN AND GARDEN EQUIPMENT ENGINE.

YOUR EMISSION CONTROL SYSTEM. MAY INCLUDE PARTS SUCH AS THE CARBURETOR, THE IGNITION SYSTEM, AND CATALYTIC CONVERTER. ALSO INCLUDED MAY BE THE HOSES, BELTS, CONNECTORS AND OTHER EMISSION-RELATED ASSEMBLIES.

WHERE A WARRANTABLE CONDITION EXISTS, KOMATSU ZENOAH Co. WILL REPAIR YOUR LAWN AND GARDEN EQUIPMENT ENGINE AT NO COST TO YOU INCLUDING DIAGNOSIS, PARTS AND LABOR.

MANUFACTURER'S WARRANTY COVERAGE:

THE 1995 AND LATER UTILITY AND LAWN AND GARDEN EQUIPMENT ENGINES ARE WARRANTED FOR **TWO YEARS.** IF ANY EMISSION-RELATED PART ON YOUR ENGINE IS DEFECTIVE, THE PART WILL BE REPAIRED OR REPLACED BY KOMATSU ZENOAH Co.

OWNER'S WARRANTY RESPONSIBILITIES:

—AS THE LAWN AND GARDEN EQUIPMENT ENGINE OWNER, YOU ARE RESPONSIBLE FOR THE PERFORMANCE OF THE **REQUIRED MAINTENANCE LISTED IN YOUR OWNER'S MANUAL.** KOMATSU ZENOAH Co. RECOMMENDS THAT YOU RETAIN ALL RECEIPTS COVERING MAINTENANCE ON YOUR LAWN AND GARDEN ENGINE, BUT KOMATSU ZENOAH Co. CAN NOT DENY WARRANTY SOLELY FOR THE LACK OF RECEIPTS OR FOR YOUR FAILURE TO ENSURE THE PERFORMANCE OF ALL SCHEDULED MAINTENANCE.

—AS THE LAWN AND GARDEN EQUIPMENT ENGINE OWNER, YOU SHOULD BE AWARE, HOWEVER, THAT KOMATSU ZENOAH Co. MAY DENY YOU WARRANTY COVERAGE IF YOUR LAWN AND GARDEN EQUIPMENT ENGINE OR A PART HAS FAILED DUE TO ABUSE, NEGLECT, IMPROPER MAINTENANCE OR UNAPPROVED MODIFICATION.

—YOU ARE RESPONSIBLE FOR PRESENTING YOUR LAWN AND GARDEN EQUIPMENT ENGINE TO A KOMATSU ZENOAH Co. DISTRIBUTION CENTER AS SOON AS A PROBLEM EXISTS. THE WARRANTY REPAIRS SHOULD BE COMPLETED IN A REASONABLE AMOUNT OF TIME, NOT TO EXCEED **30 DAYS.**

IF YOU HAVE ANY QUESTIONS REGARDING YOU WARRANTY RIGHTS AND RESPONSIBILITIES, YOU SHOULD CONTACT KOMATSU ZENOAH AMERICA INC. AT (770)-381-5147.

RedMax 2-YEAR LIMITED WARRANTY

EMISSION-RELATED PARTS, FOR TWO (2) YEARS FROM THE DATE OF ORIGINAL DELIVERY, KOMATSU ZENOAH AMERICA INC. (THE COMPANY), THROUGH ANY RedMax DEALER, WILL REPAIR OR REPLACE, FREE OF CHARGE, FOR THE ORIGINAL AND EACH SUBSEQUENT PURCHASER, ANY PART OR PARTS FOUND TO BE DEFECTIVE IN MATERIAL AND/OR WORKMANSHIP. EMISSION-RELATED PARTS ARE:

THE CARBURETOR ASSY, COIL ASSY, ROTOR, SPARK PLUG,
AIR FILTER, FUEL FILTER, INTAKE MANIFOLD, AND THE GASKETS

ALL OTHER PARTS EXCEPT ABOVE PARTS, FOR TWO (2) YEARS OF HOME USE [ONE (1) YEAR FOR ANY OTHER USE] FROM THE DATE OF ORIGINAL ANY DELIVERY, THE COMPANY, THROUGH ANY RedMax DEALER, WILL REPAIR OR REPLACE, FREE OF CHARGE, FOR THE ORIGINAL PUSHCHASER, ANY PART OR PARTS FOUND TO BE DEFECTIVE IN MATERIAL AND/OR WORKMANSHIP. **THIS IS THE EXCLUSIVE REMEDY.**

THE PURCHASER SHALL BEAR COSTS OF TRANSPORTING THE UNIT TO AND FROM THE RedMax DEALER.

THE PURCHASER SHALL NOT BE CHARGED FOR DIAGNOSTIC LABOR WHICH LEADS TO THE DETERMINATION THAT A WARRANTED PART ID DEFECTIVE, IF THE DIAGNOSTIC WORK IS PERFORMED AT THE RedMax DEALER.

THE PURCHASER OR OWNER IS RESPONSIBLE FOR THE PERFORMANCE OF THE REQUIRED MAINTENANCE AS DEFINED BY THE MANUFACTURER IN THE OWNER/OPERATOR MANUAL.

ANY WARRANTED PART WHICH IS NOT SCHEDULED FOR REPLACEMENT AS REQUIRED MAINTENANCE, OR WHICH IS SCHEDULED ONLY FOR REGULAR INSPECTION TO THE EFFECT OF "REPAIR OR REPLACE AS NECESSARY" SHALL BE WARRANTED FOR THE WARRANTY PERIOD. ANY WARRANTED PART WHICH IS SCHEDULED FOR REPLACEMENT AS REQUIRED MAINTENANCE SHALL BE WARRANTED FOR THE PERIOD OF TIME UP TO THE FIRST SCHEDULED REPLACEMENT POINT FOR THAT PART.

ANY REPLACEMENT PART THAT IS EQUIVALENT IN PERFORMANCE AND DURABILITY MAY BE USED IN NON-WARRANTY MAINTENANCE OR REPAIRS, AND SHALL NOT REDUCE THE WARRANTY OBLIGATION OF THE COMPANY.

THE COMPANY IS LIABLE FOR DAMAGES TO OTHER ENGINE COMPONENTS CAUSED BY THE FAILURE OF A WARRANTED PARTS STILL UNDER WARRANTY.

THIS WARRANTY DOES NOT APPLY TO THOSE UNITS WHICH HAVE BEEN DAMAGED BY NEGLIGENCE OF INSTRUCTION LISTED IN THE OWNER/OPERATOR MANUAL FOR PROPER USE AND MAINTENANCE OF THE UNITS, ACCIDENT MISHANDLING, ALTERATION, ABUSE, IMPROPER LUBRICATION. USE OF ANY PARTS OR ACCESSORIES OTHER THAN THOSE SPECIFIED BY THE COMPANY, OR OTHER CAUSES BEYOND THE COMPANY'S CONTROL.

THIS WARRANTY DOES NOT COVER THOSE PARTS REPLACED BY NORMAL WEAR OR HARMLESS CHANGES IN THEIR APPEARANCE.

THERE ARE NO OTHER EXPRESS WARRANTIES.

IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE **ARE LIMITED** TO TWO (2) YEARS OF HOME USE [ONE (1) YEAR FOR ANY OTHER USE] FROM THE ORIGINAL DELIVERY DATE.

LIABILITIES FOR INCIDENTAL OR CONSEQUENTIAL DAMAGE UNDER ANY AND ALL WARRANTIES ARE EXCLUDED.

SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS OR EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.
THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.
IF YOU NEED TO OBTAIN INFORMATION ABOUT THE NEAREST SERVICE CENTER, PLEASE CALL KOMATSU ZENOAH AMERICA INC. AT (770)-381-5147.

IMPORTANT: YOU WILL RECEIVE A WARRANTY REGISTRATION CARD AT TIME OF PURCHASE. PLEASE FILL OUT THE CARD AND SEND IT TO RedMax / KOMATSU ZENOAH AMERICA WITHIN SEVEN (7) DAYS. BE SURE TO KEEP A COPY FOR YOUR RECORDS.

RedMax®

KOMATSU ZENOAH AMERICA INC.
4344 Shackleford Road Suite 500
Norcross, Georgia 30093

RedMax Garantie limitée à 2 ans

Pièces en rapport avec les émissions de gaz d'échappement : KOMATSU ZENOAH AMERICA INC., par l'intermédiaire de n'importe quel revendeur RedMax, réparera gratuitement ou remplacera gratuitement pour l'acheteur initial et chaque acheteur successif toute(s) pièce(s) se révélant de constitution et/ou de montage défectueux pendant deux (2) ans à compter de la date initiale de livraison d'une unité. Les pièces en rapport avec les émissions de gaz d'échappement sont:

l'assemblage carburateur, l'assemblage bobine, le rotor, la bougie, le filtre à air, le filtre à carburant, la tubulure d'admission et les joints

Toutes autres pièces exceptées celles mentionnées ci-dessus : La société, par l'intermédiaire de n'importe quel revendeur RedMax, réparera gratuitement ou remplacera gratuitement pour l'acheteur initial toute(s) pièce (s) se révélant de constitution et/ou de montage défectueux pendant deux (2) ans en cas d'utilisation privée [un (1) an pour toute autre utilisation] à compter de la date de livraison initiale d'une unité. **Telles sont les limites de la garantie.**

Le coût du transport de l'unité jusqu'au revendeur RedMax et depuis celui-ci sera à la charge de l'acheteur.

L'acheteur ne supportera pas le coût de main d'oeuvre du diagnostic qui amène à la conclusion qu'une pièce garantie est défectueuse, si ce diagnostic est effectué chez le revendeur RedMax.

L'acheteur ou propriétaire a pour responsabilité d'effectuer l'entretien obligatoire tel que défini par le fabricant dans le manuel du propriétaire/de l'utilisateur.

Toute pièce garantie dont le remplacement n'est pas prévu dans le cadre de l'entretien obligatoire, ou pour laquelle est seulement prévue une inspection périodique pour "remplacement ou réparation si nécessaire" sera garantie pour la période de garantie. Toute pièce garantie arrivée à l'échéance de son premier remplacement prévu sera garantie jusqu'à celui-ci.

Toute pièce de rechange équivalente en performance ou en durabilité peut être utilisée pour l'entretien hors-garantie ou les réparations hors-garantie, et ce sans réduire l'obligation de garantie incombant à la société.

La société sera tenue responsable des dommages aux autres composants du moteur causés par la défaillance de pièce(s) garantie(s) en période de garantie.

La garantie ne s'applique pas aux unités endommagées par suite de: négligence dans la mise en oeuvre des instructions spécifiées dans le manuel du propriétaire/de l'utilisateur en vue d'une utilisation et d'un entretien correct, fausse manœuvre accidentelle, modification, utilisation abusive, lubrification incorrecte, utilisation de pièces ou d'accessoires autres que ceux spécifiés par la société, ou autres causes hors du contrôle de la société.

Cette garantie ne couvre pas les pièces remplacées en raison de leur usure normale ou de changements d'apparence sans effets.

Il n'existe aucune autre garantie explicite.

Les garanties implicites, celles de négociabilité du produit et de son adaptabilité à un usage défini incluses, **sont limitées** à deux (2) ans pour un usage privé [un (1) an pour toute autre utilisation] à compter de la date initiale de livraison.

Les responsabilités pour les dommage conséquents ou incidents sont exclues de toutes les garanties.

Certaines provinces n'autorisant pas les limitations à la durée des garanties implicites, ou les exclusions ou limitations relatives aux dommages incidents ou conséquents, la limitation indiquée ci-dessus peut ne pas vous être applicable.
Cette garantie vous donne des droits juridiques spécifiques, et vous pouvez également jouir d'autres droits variant d'une province à l'autre.
Si vous désirez obtenir des informations sur le centre de service le plus proche, veuillez appeler KOMATSU ZENOAH AMERICA INC. au (770)-381-5147

Note importante: vous recevrez une carte d'enregistrement de garantie au moment de l'achat. Veuillez la remplir et l'adresser à RedMax / KOMATSU ZENOAH AMERICA sous sept (7) jours en prenant soin de conserver une copie pour vous.

RedMax®

KOMATSU ZENOAH AMERICA INC.
4344 Shackleford Road Suite 500
Norcross, Georgia 30093

Emission Control Label

IMPORTANT ENGINE INFORMATION

THIS ENGINE CONFORMS TO U.S. EPA PH1 FOR SMALL OFF-ROAD ENGINES.

ENGINE FAMILY : 1KZXS. 0254CD ; EM

ENGINE DISPLACEMENT : 22.5cc

REFER TO OWNER'S MANUMAL FOR MAINTENANCE SPECIFICATIONS AND ADJUSTMENTS.

ZENOAH KOMATSU **KOMATSU ZENOAH CO.**
RedMax Made in Japan

INFORMATION IMPORTANTE CONCERNANT LE MOTEUR

Ce moteur conformc aux normcs U.S. EPA PH1 pour les petits moteurs tout-terrain.

Type de moteur : 1KZXS. 0254CD ; EM

Cylindrée du moteur : 22.5 cc

Se référer au Manuel de l'utilisateur pour les spécifications d'entretien et les réglages.

ZENOAH KOMATSU **KOMATSU ZENOAH CO.**
RedMax Made in Japan

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Norcross, Georgia 30093

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